1. MTK DTS配置

示例:

Touch DTS路径: alps/kernel-3.18/arch/arm64/boot/dts/amt6797\_evb\_m.dts

&touch {

tpd-resolution = <1080 1920>; // 分辨率

use-tpd-button = <0>; // 是否有按键

tpd-key-num = <3>; // 按键数量

// 按键值, 按键对应的值: KEY\_MENU, KEY\_HOMEPAGE,KEY\_BACK

// 定义位于dts/include/dt-bindings/input/input.h

tpd-key-local= <139 172 158 0>;

// 按键对应的矩形区域(中心点x, 中心点y, width, height)

tpd-key-dim-local = <200 2000 100 40 515 2000 100 40 800 2000 100 40 0 0 0 0>;

tpd-max-touch-num = <5>; // 最大触点个数

tpd-filter-enable = <0>; // 是否开启防抖

tpd-filter-pixel-density = <192>;

tpd-filter-custom-prameters = <0 0 0 0 0 0 0 0 0 0 0 0>;

tpd-filter-custom-speed = <0 0 0>;

pinctrl-names = "default", "state\_eint\_as\_int", "state\_eint\_output0", "state\_eint\_output1", "state\_rst\_output0", "state\_rst\_output1";

pinctrl-0 = <&ctp\_pins\_default>;

pinctrl-1 = <&ctp\_pins\_eint\_as\_int>; // 设为INT

pinctrl-2 = <&ctp\_pins\_eint\_output0>; // INT输出低

pinctrl-3 = <&ctp\_pins\_eint\_output1>; // INT输出高

pinctrl-4 = <&ctp\_pins\_rst\_output0>; // RST输出低

pinctrl-5 = <&ctp\_pins\_rst\_output1>; // RST输出高

status = "okay";

};

// INT & RST操作函数

&pio {

ctp\_pins\_default: eint0default {

};

ctp\_pins\_eint\_as\_int: eint@0 { //设为INT0

pins\_cmd\_dat {

pins = <PINMUX\_GPIO85\_\_FUNC\_EINT8>;

slew-rate = <0>;

bias-disable;

};

};

ctp\_pins\_eint\_output0: eintoutput0 { // INT输出低

pins\_cmd\_dat {

pins = <PINMUX\_GPIO85\_\_FUNC\_GPIO85>;

slew-rate = <1>;

output-low;

};

};

ctp\_pins\_eint\_output1: eintoutput1 { // INT输出高

pins\_cmd\_dat {

pins = <PINMUX\_GPIO85\_\_FUNC\_GPIO85>;

slew-rate = <1>;

output-high;

};

};

ctp\_pins\_rst\_output0: rstoutput0 { // RST输出低

pins\_cmd\_dat {

pins = <PINMUX\_GPIO68\_\_FUNC\_GPIO68>;

slew-rate = <1>;

output-low;

};

};

ctp\_pins\_rst\_output1: rstoutput1 { // RST输出高

pins\_cmd\_dat {

pins = <PINMUX\_GPIO68\_\_FUNC\_GPIO68>;

slew-rate = <1>;

output-high;

};

};

};

1. 高通等DTS配置

示例:

高通平台dts路径： arch\arm64\boot\dts\qcom\apq8016-sbc.dtsi

/\*

\* KEY\_BACK: 158

\* KEY\_MENU: 139

\* KEY\_HOMEPAGE: 172

\* KEY\_SEARCH: 217

\*/

focaltech@38{

compatible = "focaltech,fts"; /\* do not modify \*/

reg = <0x38>; /\* do not modify \*/

interrupt-parent = <&msm\_gpio>; /\* INT脚 \*/

interrupts = <13 0x2>;

focaltech,reset-gpio = <&msm\_gpio 12 0x01>; /\* RST脚 \*/

focaltech,irq-gpio = <&msm\_gpio 13 0x02>; /\* INT脚 \*/

focaltech,max-touch-number = <5>; /\* 最大触点数 \*/

focaltech,display-coords = <0 0 1080 1920>; /\* 分辨率 \*/

/\* 按键配置 \*/

/\*focaltech,have-key;\*/ /\* 无按键 \*/

/\* 有按键 \*/

focaltech,have-key;

focaltech,key-number = <3>; /\* 按键个数 \*/

focaltech,keys = <139 172 158>; /\* 按键值，参考上面\*/

focaltech,key-y-coord = <2000>; /\* 按键Y坐标 \*/

focaltech,key-x-coords = <200 600 800>; /\* 按键对应的X坐标 \*/

/\* HD 720P分辨率参考设置值 \*/

/\*focaltech,display-coords = <0 0 720 1280>;

focaltech,key-y-coord = <1350>;

focaltech,key-x-coords = <180 350 540>;\*/

};

参照focaltech-ts.txt.